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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/689,657	10/22/2003	Richard William Charm	060937-0139-US	6496
9629	7590	04/13/2006	EXAMINER	
MORGAN LEWIS & BOCKIUS LLP 1111 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004				WEBB, GREGORY E
ART UNIT		PAPER NUMBER		
				1751

DATE MAILED: 04/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/689,657	CHARM ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Gregory E. Webb	1751	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 13 January 2006.
- 2a) This action is **FINAL**.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-14, 17-27 and 29-33 is/are pending in the application.
- 4a) Of the above claim(s) 31-33 is/are withdrawn from consideration.
- 5) Claim(s) 1-14 and 17-27 is/are allowed.
- 6) Claim(s) 29 and 30 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

**DETAILED ACTION**

***Election/Restrictions***

1. Newly submitted claims 31-33 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons:
2. The applicant's original claims were directed to a composition classified under 510/175 cleaning compositions for semiconductors. The newly added claims are now directed to a method of cleaning classified under 134/1.3 methods of cleaning semiconductors.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 31-33 withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

***Response to Amendment***

3. Claims 1-14, 17-27 are allowed.

***Claim Rejections - 35 USC § 102***

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
5. Claims 29-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Skee, David C. (US6585825).
6. Skee teaches various suitable choline compounds including the applicant's claimed choline derivatives (see third paragraph in detailed description).

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7. Skee further teaches the inclusion of water and pyrrolidones (see col. 7, first paragraph).

Claims 29-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Thompson, Arthur J. (US6060439).

Concerning the N-methyl-2-pyrrolidone, Thompson, Arthur J. teaches the following:

Preferably, the pyrrolidone component of the mixture disclosed above

contains an effective amount of the pyrrolidone material that is

substituted in the N position of the pyrrolidone ring of the formula:

hydrogen, C.sub.1 to C.sub.6 alkyl, or C.sub.1 to C.sub.6 alkanol.

Examples of these pyrrolidones are pyrrolidone, N-methyl pyrrolidone,

N-ethyl pyrrolidone, N-propyl pyrrolidone, N-hydroxymethyl pyrrolidone,

N-hydroxyethyl pyrrolidone, and N-hexyl pyrrolidone. Among the most

preferred are N-methyl pyrrolidone and N-ethyl pyrrolidone.(see cols. 9-10)

Concerning the choline derivative, Thompson, Arthur J. teaches the following:

Examples of specific quaternary ammonium hydroxides, which can be used in

the method of the invention, include trimethyl-2-hydroxyethyl ammonium

hydroxide (choline), trimethyl-3-hydroxypropyl ammonium hydroxide,

trimethyl-3-hydroxybutyl ammonium hydroxide, trimethyl-4-hydroxybutyl

ammonium hydroxide, triethyl-2-hydroxyethyl ammonium hydroxide,

tripropyl-2-hydroxyethyl ammonium hydroxide, tributyl-2-hydroxyethyl

ammonium hydroxide, dimethylethyl-2-hydroxyethyl ammonium hydroxide,

dimethyldi(2-hydroxyethyl) ammonium hydroxide, and

monomethyltri(2-hydroxyethyl) ammonium hydroxide.(see col. 4)

Thompson also teaches the inclusion of water.

***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory E. Webb whose telephone number is 571-272-1325. The examiner can normally be reached on 9:00-17:30 (m-f).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglass McGinty can be reached on (571)272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gregory E. Webb  
Primary Examiner  
Art Unit 1751

gew